

# RHYTHM DISPLAY DEVICE, AND REPRODUCING DEVICE AND SIMILARITY JUDGING DEVICE FOR VOICE LANGUAGE AND VOICE LANGUAGE PROCESSOR AND RECORDING MEDIUM

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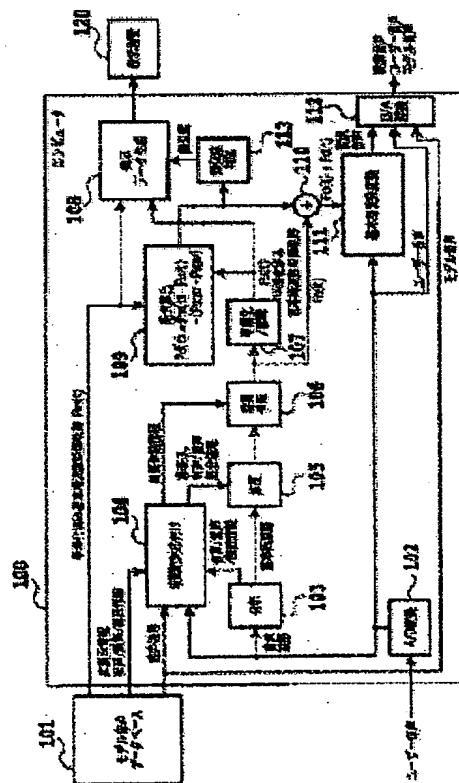
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## Abstract of JP2002091472

**PROBLEM TO BE SOLVED:** To visually and audibly support language learning or voice language research as for a rhythm display device, a reproducing device, and a similarity judging device for voice language, a voice language processor, and a recording medium.  
**SOLUTION:** A model voice is fetched from a data base 101 for preliminarily analyzing and storing the characteristics of the rhythm of voice language, and a user voice whose contents are the same as those of the model voice is inputted, and the rhythm of an input voice corrected according to the result of the temporal correspondence of the model voice and the user voice is displayed. The rhythm of the user voice is analyzed by an analyzing part 103. Then, the temporal correspondence of the analyzed result and the model voice is operated by a temporal corresponding part 104 and a correcting part 105. Display data to be graphically displayed are generated according to the corrected result by a time expanding part 106, a smoothing/interpolating part 107, a difference calculating part 109, and a display data generating part 108.



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